

1760
ANNUAL REPORT

OF THE

FOREST ADMINISTRATION

IN

AJMER MERWARA

FOR THE NINE MONTHS

(1st July 1920 to 31st March 1921)

1920-1921.



AJMER

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From,

The Honourable Mr. R. E. HOLLAND, C. S. I; C. I. E.; I. C. S.,

Chief Commissioner, Ajmer-Merwara

To,

THE SECRETARY TO THE GOVERNMENT OF INDIA,

In the Department of Revenue (Forests.)

Dated Camp Ajmer, the 15th November 1921.

AJMER-MERWARA FOREST ADMINISTRATION REPORT FOR 1920-21.

Sir,

I have the honour to submit, for the information of the Government of India, a printed copy of the above report.

2. I am glad to note that a more efficient check is being maintained on the grazing of right-holders, and that in spite of the enhanced rates for those who do not possess such rights, the number of cattle grazing in the Forests has increased. I shall watch with interest the result of the revised grass-cutting rules. It seems probable that when the villagers become accustomed to them, they will realise the advantage of a further demand for labour. The financial results of the year are on the whole satisfactory.

I have the honour to be,

Sir,

Your most obedient servant,

Sd/. R. E. HOLLAND.

Chief Commissioner, Ajmer-Merwara.

Annual Progress Report of the Forest Administration in

Ajmer-Merwara Forests for the year 1920-21.

(1st July 1920 to 31st March 1921.)

CHAPTER I.

Constitution of the State Forest.

1. *Alteration in area*—The area of the reserved and protected Forests remained unchanged during the year. Form No 7.

2. *Forest Settlement*—None was undertaken. Form No. 8.

3. *Demarcation*—50 pacca masonry pillars were erected in the Sheopura Forest of the Beawar Range and 2 in the Baghumal Forest of the Todgarh Range at a cost of Rs. 105/- 1.63 Miles of boundry was repaired at a cost of Rs. 85/- the total expenses under this head were this year Rs 190/- against Rs. 224/- in the last year. Form No. 9.

4. *Forest Surveys*—None was undertaken. The Sendra and Bir nurseries remained unsurveyed as before. Form No. 10

Note—The total expenditure on constitution of State Forest was Rs. 190/- during the period under report while it was Rs. 224/- during the preceding year.

CHAPTER II.

Management of State Forests.

5. SECTION 1—*Regulation of management.*

(A) Preparation and control of regular working plan. Form No. 11.

The prescriptions of the revised working plan were acted up to, as far as circumstances permitted. Some of the Coupes of the year could not be fully worked up for want of labour, but as the period of felling and export extends to the end of June, the results will be reported in the next year's report.

6. Preliminary Working Plan Report.

Nothing was done under this head.

7. Plans of Operations.

18. The following table compares the results with those of the previous year:—

Area in acres.				Proportion of failure to area attempted per %		Cost per sqr mile protected Rs.		Total cost of protection in Rupees.	
ATTEMPTED.		PROTECTED.							
1920-21	1919-20	1920-21.	1919-20.	1920-21	1919-20	1920-21	1919-20	1919-20	1920-21
90,331	9,037	89,878	90,255	5	08	54	1.7	75	244

19. The increase of fires was due to the year being very dry on account of failure of the monsoon from the beginning of August last. There were 3 fires in the Todgarh range due to careless burning of the fire lines, and the biggest fire was one of 200 acres in the Benwar range which entered the forest from outside. The cost of protection was Rs 75/- during the period against Rs. 244/- of the last year. There were 8 fires, burning an area of 453 acres during the period under report against 8 fires, burning an area of 453 acres during the preceding year. In the Ajmer range, there was no fire except the one of 36 acres, caused by the careless smoking of the Nasirabad soldiers, who very often come to the forest for exercise.

(C) Protection from cattle.

Form.

20. The following table shows the areas open and closed to grazing:—

1. *Closed to animals.*

(A) Whole year.....65.37 Sqr Miles.

(B) Part of year.....73.48 „ „

2. *Open to grazing except browsers.*

(A) Whole year.....3 Sqr Miles.

21. All open forests were thrown open to grazing to the concessionists from 1st February instead of 1st March on account of there being no grass for cattle grazing outside the reserves. Hence the whole of the forests, excepting three miles, remained closed to grazing for 7 months or in other words, 2.1 per cent was open throughout the whole year and 97.9 per cent remained closed for 7 months. The area thrown open to grazing from 1st February was 73.48 Sqr. Miles or 51.8 per cent. The 3 Sqr Miles of the grazing area, remained open throughout the whole year. All the coupes which were felled over were fenced against cattle as usual.

22. The number of cattle (excluding sheep and goats) which grazed during the period and the previous year were as follows:—

	Year.	Buffaloes.	Cows and bullocks.	Other animals.
1. Full rates.	1920-21	702	4,803	171
Do.	1919-20	660	4,391	83
2. Privilege rates.	1920-21	1,730	7,417	.....
Do.	1919-20	1,549	6,286	.....
3. Right-holders.	1920-21	129	1,031	.....
Do.	1919-20	1,038	5,136	.....
Total ...	1920-21	2561	13,311	171
Total ...	1919-20	3,247	15,813	83

23. The most noticeable difference between the preceding year and the period under report was under Right-holders, which was due to careful check of the right-holders' cattle who are now allowed to keep and graze their own cattle inside the grazing areas, as they used to keep their relations' cattle in their own names, which is now strictly disallowed.

The increase during the preceding year was also due to the free grazing allowed to all privilege holders during July 1919.

24. The total revenue actually realized from grazing during the period and the previous year was as under:—

YEAR	Full rates Rs.	Concession rates	Total Rs.
1920-21	3,487	1,696	5,183
(9 months)			
1919-20	1,758	1,291	3,049
Increase Rs.	1,729	405	2,134

25. The increase is noticeable under full rates, which was due to the rates for non-right-holders being doubled this year and also to the increase in the number of cattle. The rate of nonright-holders up to last year was -/1/- per cow and -/2/- per buffalo per month's grazing while it has now been raised to -/2/- and -/4/- respectively. The so called right-holders, to whom concession of grazing is allowed, as there are no rights of grazing according to the Ajmer Regulation, still paying $\frac{1}{2}$ anna per cow and one anna per buffalo per month and the increase of Rs. 405 under this head was due to the greater number of cattle grazing in the forests during the period under report.

26. The number of cattle impounded during the year was 3,317 and $\frac{1}{2}$ share of pound fees allotted to this Department was Rs. 377/- out of which Rs. 13/- are still unpaid by the Nasirabad Cantonment, against 3,961 cattle and Rs. 412 on account of $\frac{1}{2}$ share of pound fees of the previous year. For the decrease of this year please also see para 29 (a) of this report.

(D) *Protection against injuries from natural causes.*

27. Frost did not do any damage during the year.

Fungus caused a good deal of damage to Pushker garden flowers as it appeared on the flowers of all fruit trees about the beginning of March and thereby destroyed most of the flowers.

Birds did a good deal of damage to Pomegranates, loquates, etc. of the Pushker garden by eating up all the fruits before ripening.

Drought was the cause of death of the seedlings sown last year as rains stopped from about the beginning of August last and the soil was completely dry before the end of December.

Monkeys, squirrels, porcupines and hares did some damage to garden fruits.

Sambher and pigs and Nilgai did some damage here and there especially to Pushker garden.

SECTION. 4.—*Sylviculture.*

(A) Natural reproduction.

28. *State of existing reproduction*—Natural reproduction is poor, all over the forests as nearly all the seeds that germinate during the rains, dry up during the next hot weather, due to complete dryness of the soil during that period. In years of good rainfall, as occurred in 1917, the natural reproduction is always a complete failure.

Danta sample plots which were started from 1916-17, in which Plot No. I, is sown with 1,000 Babul seeds every year by broad cast after ploughing the ground and loosening the soil and plot II is left to nature without any operation and plot III is simply ploughed up and loosened without sowing, contained in December 1920, the following seedlings only.

Plot No. 1. Babul 22.

Misce 29.

Plot No. 2. Babul 1.

Misce. 19.

Plot No. 3. Misc. 17.

No doubt seedlings do germinate during the rains but they die due to complete dryness of the soil afterwards.

At the same time coppice shoots seem very hardy, throughout the whole forests, as although in years of good rains the growth both in height and girth is good, but even during dry years the shoots very seldom dry up although the increment suffers to some extent as will be seen from the following:—

Species.	Average increment in feet per year of coupes as measured in May 1921.			
	I	II	III	IV
	1916-17	1917-18.	1918-19.	1919-20
Dhokra	1.4	1.7	1.9	1.9
Miscellaneous... ..	2.1	2.2	2.7	3.2

The increment of coupes I and II suffered by the dry year of 1918.

29. (a) Grazing, especially, illicit grazing, is a great nuisance all over these forests and is another cause of the poorness of the reproduction. Any strictness by the forest staff at once results in serious and exaggerated complaints from the villagers to the Commissioner, which makes the forest staff reluctant to interfere.

(b) Besides, complete dry years occur here every 3rd or 4th years when all the forests are thrown open to grazing and as there is nothing to graze in the forests during such years, except shoots of trees, therefore those seedlings only survive which are out of reach of cattle, being either inside thor or other thorny bushes.

30. (ii) Measures for inducing or aiding reproduction. Thor (*Euphorbia numularia*) was encouraged in all the forests by planting its cuttings here and there, all over the forests, as inside this bush only, natural reproduction is found.

(C). Artificial reproduction.

31. (i) **Regular plantations**—Under this head come all the sowings that were done in the coupes felled over. 118 acres of new sowing were done during the year at a cost of Rs. 186/- at an average cost of Rs. 1/9/3 per acre. The Forest Officer Ajmer-Merwara was deputed to Etawah during October last to study the new method of plantation which is being so successfully followed there. Soil preparation on the same methods was this year done, the result of which will be reported next year.

(ii) **Other forms of artificial reproduction**—Seeds of all kinds of species were sown inside thor bushes in all coupes closed to grazing by the Forests Guards at the beginning of rains and were successful as the regeneration is found inside these bushes only as the thor not only protects the seedlings from grazing but also excessive heat of the sun during the driest season.

32. (iii) The financial results of nurseries which were charged to forest were:—

No.	Name.	Revenue.	Expenditure	Difference.
1.	Pushkar.....	328.....	941.....	-613
2.	Sendra	52.....	5.....	+47
3.	Jalia.....	25.....	0.....	+25
4.	Todgarh.....	40.....	1.....	+39
5.	Ajmer.....	0.....	3.....	-3
6.	Mohwabagh.....	61.....	0.....	+61

Jalia, Todgarh and Mohwabagh were one lease. The deficit in Pushkar was due to the figures being for nine months only, as Rs. 625/- on account of cost of the fruits was realized after the close of the year.

SECTION. 5—*Exploitation.*

(A) System of Management.

33. (i) *Major Forest Produce*—The only sylvicultural system in force is that of coppice with standards on the 30 and 40 years rotation-working circles.

The total area worked during the period under-report was, 503 acres out of 735 acres of 30 years, and 340 acres out of 815 acres of 40 years rotation. The reasons for deficit workings were scarcity of labour, want of wagons from the Railway and lastly the forest year ending 3 months earlier than the period allowed for the working of these coupes.

34. (ii) *Minor Forest Produce*—The value of various kinds of minor produce realised during the year compares with the preceding year as follows:—

Produce.	1920-21.	1919-21.	Difference.
RESERVED FORESTS.			
Bamboos... ..	732	989	-257
Fodder grass	3755	2419	+1264
Grazing dues	5183	3049	+2134
Garden fruits etc	237	701	-464
Forest fruits	13	47	-34
Pods	57	38	+19
Hides	35	450	-415
Cow dung	103	102	+1
Silt	1	4	-3
Plants	258	343	-85
Leaves	665	184	+481

Produce.	1920-21.	1920-21	Difference.
Barks and twigs ...	130	143	-13
Lac twigs ...	0	16	-16
Honey wax ...	189	218	-29
Stones ...	161	296	-195
PROTECTED FORESTS			
Grass ...	72	55	+17
Stones ...	738	443	+295
Cow dung ...	6	0	+6
Total ...	12103	9467	+2636

35. The noticeable increase are under fodder grass, grazing, leaves and stones of the Protected Forest. The increase under fodder grass was due to more grass being cut and sold this year as the villagers here, neither cut grass themselves, nor allow it to be cut or sold by the department.

According to the revised grass cutting rules 1/4th area has now been allotted for sale and lease of grass by the Department, therefore this was the 1st year when the selling of grass system was introduced but as the villagers complain even when less than 1/4th area grass is utilized by the Department, therefore it was done in some of the areas of the Ajmer Range only.

As to increase under grazing, it was due to enhanced rates of grazing which were sanctioned for non-right holders. The increase under leaves was due to Beri and Dhak leaves getting sold this year for fodder.

The increase under stones was due to the Shikast Masjid stone quarry fetching better price.

The decrease under other heads was due to the report being for 9 months only.

36. The value of the various kinds of minor produce given either as privilege to concessionists or free, during the period compares with the preceding year as follows:—

Produce.	1920-21	1919-20	Difference.
Fodder grass ...	42,542	49,766	-7,224
Grazing ...	7,841	3,842	+3,999

37. The decrease under fodder grass was due to the villagers exporting less grass than that of the preceding year.

The increase under grazing was due to the calculation of rates being based on the enhanced rates and also to the increase in the number of cattle grazed.

The incidence of grazing for part of the year grazing on an average stood at 257 acres per head and for whole year grazing stood at 465 acres per head. One buffalo is taken equal to 2 cows or bullocks or other animals.

(b) Agency of Exploitation.

(i) Departmental Agency.

38. The outturn and value of Major and Minor forests produce extracted from the forests by departmental agency compares with the previous year's figures as follows:—

	1920-21.		1919-20		Difference	
	Quantity	Value.	Quantity	Value	Quantity.	Value
Timber CFT	6	5	23	21	-17	-16
Fuel. CFT	35,659	9,291	32346	10986	+3313	-1695
Fodder grass Mds. ...	1,645	1,560	2582	2381	-937	-821
Bamboos. NOS. ...	.....	...	166	29	-166	-29
Other produce ... ..	.....	361	.....	1020	.....	-659

39. The decrease is noticeable under all the heads due to the figures being for 9 months only. The decrease of revenue under fuel was due to the rates of fuel sale from the depots going down considerably during the period under report, on account of Railway shops getting opened for the railway employees, and thereby market value of the fuel going down considerably. The decrease under fodder grass was due to want of labour for departmental operations. The decrease under other produce was due to less sales of hides etc during the period under report.

(ii) *Purchasers.*

40. The extent to which the Major and Minor produce was exported by purchasers as compared with the previous year was as follows:—

	1920-21		1919-20		Difference.	
	Quantity	Value	Quantity	Value	Quantity.	Value.
Timber. CFT.	1378	292	2799	344	-1421	-52
Fuel. CFT.	135395	11020	109618	9620	+26277	+1400
Bamboos. Nos.	40190	732	23655	960	+16464	-228
Grass. ... ..	.....	2195	.....	38	.....	+2157
Grazing cattle Nos. ...	5676	3487	5134	1758	+542	+1729
Other produce. ... ..	.....	2172	.....	2020	.....	+152

41. The increase of Rs. 1400/- under fuel was due to better auction sales of coupes of the year. The increase of Rs. 2157 under grass was due to the sales of the 1/4th area of some forests of Ajmer Range during the period under the revised grass cutting rules. The increase of 1729 under grazing was due to enhanced rates for non-right-holders and also to the increase in the the number of cattle. The increase of Rs. 152/- under other

produce was due to better sale of stones from the Sikast Masjid quarry. The other petty decreases were due to the figures of this report being for 9 months only.

(iii) *Rights, Privileges, and free grants.*

42. The following statement shows the quantity and the value of the forest produce removed under this head as compared with the total of the previous year:—

	TIMBER.		FUEL.		GRASS.		GRAZING		Total Value.
	Cft.	Value.	Cft.	Value.	Mds.	Value.	Nos.	Value.	
Right-holders ...	627	183	...	...	4,24,590	42,459	...	...	42,642
Privilege Do. ...	...	...	...	...	...	...	9,147	6785	6,785
Free grants. ...	...	...	3881	121	828	83	1,220	1056	1,260
Total ...	627	183	3881	121	4,25,418	42,542	10,367	7841	50,687
Grand Total of 1919-20. }	160	504	823	151	4,97,674	49,766	14,009	3842	53,809

43. The increase under timber was due to the export of higher quantity by right-holders. The decrease under fuel was due to loss export of fuel for rasad. The decrease under grass was due to less export of grass by right-holders as well as for Rasad. The decrease in the number of cattle under grazing was due to the forests being opened for free grazing in July 1919 and thereby causing increase during last year. The increase in value under grazing was due to the calculation being made this year, according to the enhanced rates, the actual value under privilege realized was Rs. 1696/.

(IV) *Outturn and Sources of Forest produce.*

44. The total outturn of Major and Minor forest produce by all agencies compares with last year as follows.

Year.	TIMBER		Fuel.		Grazing.		Grass.	Other produce including beebods.
	Cft.	Value.	Cft.	Value.	No.	Value.		
1920-21	2011	480	1,75,435	20,432	16043	11,328	46297	3265
1919-20	2982	413	1,46,787	20,757	19143	5,600	52185	4029

The variations are explained under their respective heads.

45. The total expenditure incurred under management of State forests was Rs. 6,277 against Rs. 8,336 of the previous year. The total expenditure under Imperial roads was Rs. 3,199 against Rs. 4,223 of last year. The grand total under Chapter I was Rs. 9,476 against Rs. 12,759 of last year.

CHAPTER III.

46. *Financial Results.* The financial results are compared with those of last year and with the previous quinquennial average in the following statement:—

Years	Revenue.			Expenditure			Surplus or deficit		Percentage of surplus to gross receipts	
	Forest	Imperial Roads	Total	Forest	Imperial Roads	Total	Forest	Imperial Roads	Forest	Forest & Imperial Roads Total
1920-21 for 9 Months	37082	846	37928	25252	3199	28451	+11830	-2353	+31.09	278.13
1919-20	7306	1258	38564	30990	1223	35213	+ 6316	-2253	16.93	8.69
Average of Previous 5 years.	29308	753	30061	24910	3911	28821	+ 4329	-3153	15.01	4.12

47. The figures cannot be compared with those of last year or the average of the past 5 years as the figures of this year are for 9 months only. However the surplus of the forest increased from Rs. 6,316 of last year and Rs. 4,398, the average of the previous 5 years to Rs. 11,830 for the period under report. The percentage of surplus to gross receipts of forests was 31.0 during the period under report as compared with 16.93 of last year and 15.10 the average of the previous 5 years.

48. The progress of the past 5 years of the forest revenue and expenditure is detailed below:—

Year.	Revenue	Expenditure	Surplus or deficit	Percentage of gain or loss
1915-16.	22,890	21,348.	+ 1,542	+ 6.74
1916-17.	19,393	22,929.	- 2,936	- 14.68
1917-18	32,995	23,290.	+ 9,705	+ 29.41
1918-19	33,354	25,992.	+ 7,362	+ 22.07
1919-20	37,306	30,990.	+ 6,316	+ 16.93
1920-21 (for 9 months)	37,082	25,252.	+ 11,830	+ 31.09

49. Although the expenditure has increased considerably recently, due to high price of labour and higher rates of pay and travelling Allowance for the whole staff, still, the surplus has increased from Rs. 1542 or 6.74 per cent. during 1915-16 to Rs. 11,830 or 31.09 during the nine months of 1920-21

50. The receipts of the period under report were derived from the following Major and Minor sources and compare with those of the preceding year as follows:—

Particulars.	9 months of 1920-21. Rs	1919-20. Rs
I. Timber	297	366
II. Fuel	20,311	20,606
III. Bamboos	732	1,973
IV. Grazing & Fodder grass ...	8,066	3,319
V. Other produce	3,405	5,192
VI. Confiscated	7	8
VII. Miscellaneous	5,110	7,100
Total ...	37,928	33,564

51. As explained in para 47 above the revenue for the period under report can not be compared with the previous year. The increase under grazing was due to nearly all the dues getting realized in March 1921; for the period open for grazing and also to better sale of grass.

52. The following statement compares the expenditure under each budget head with that of the previous year.

Particulars.	9 months of 1920-21 Rs	1919-20. Rs
A. I. Timber etc, by Govt: Agency,	3377	5721
II. „ by purchasers	519	541
III. Confiscated ... ..	.....	.....
V. Payments to share-holders ... ..	.....	12,987
VI. Live stock, tools and plants	144	204
VII. Communications and Buildings	3917	4600
VIII. Organization and improvement... ..	1415	1532
IX. Miscellaneous	741	385
Total A.	10,113	25,970
Percentage of A. to total expenditure... ..	35.6	54
B. I. Salaries	14,702	18,435
II. Travelling allowances	2289	2205
III. Contingences	1347	1590
Total B.	18,338	22,230
Grand total	28,451	48,200
Percentage of B. to total expenditure... ..	64.4	46

53. As stated before, the figures of this year cannot be compared with that of last year. The increase under A. IX was due to Salar tapping experiment which was done during the whole period under report. The increase under B. II. was due to continual tours by Extra Assistant Conservator of Forests. The percentage under B has gone up on account of higher rates of pay and travelling allowances for the whole subordinate staff.

54. The extent of outstanding and value of stock are as follows.

	On 31st March 1921.	On 30th June 1920.	Increase decrease.
No. 22. Value of stock in deposit.	10,281.	11,255	-974
No. 26. Outstanding on a/c of revenue	73	157	-84

The true financial position of the department is as follows:—

Form No. 24. Cash surplus	...	...	9,477
Form No. 26. & 27 Outstandings of revenue at the close of the year	...	...	1,055
Form No. 22. Value of produce in stock at the close of the year	...	...	10,281

CHAPTER. IV.

Research and Experiment.

55. The following experiments were carried out during the year.

- I. **Cassava**—Cassava is doing well at Pushkar and other nurseries where it can be watered, but dies at once if it is planted out in other plots, where there is no water, therefore its original object is lost.
- II. **Spineless-OPENTIA** is doing well, wherever it was planted on mounds but cattle eat it up, therefore it has to be planted up in closed areas only and saved from being eaten by illicit grazers. Prickly pear too is doing well.
- III. **Cassia Auriculata**—Growing well in sandy soils but excessive dryness of the soil affects its growth.
- IV. **Lac**—Last year's frost killed nearly all the lac bearing trees but it is still found on a good many trees and fresh endeavours are now being made this year for its propagation.
- V. **Salar tapping**—The tapping was again carried out experimentally during this whole period. The 450 trees of Dabhabra of last year were tapped during this whole period and yielded 14 Mds 19 seers and 14 ohhataks of gum at a total cost of Rs 169-14-8 costing an average Rs. 12/- per maund

of gum. Five trees died due to overtapping. Correspondence is now going on through Messrs. Gillanders, Arbuthnot and Co., for its sale in New York and if any paying offer is received the tapping will be started on commercial lines.

VI. *Prosopis Juliflora*—Plants are still found in some places although they were planted late last year. Fresh seeds could not be had this year as Divisional Forest Officer, Lahore, says that there was no seed during the year on this tree.

VII. *Sandal sowings*—As the rains were deficient during the period under report, there was no success with the direct sowings. There are plants of Sandal in Ajmer and Pushker nurseries which will be planted in the forest during the coming rains and the results will be reported next year.

CHAPTER. V.

Administration.

56. Pundit Shambhoo Dutt Joshee, Extra Assistant Conservator of Forests, remained incharge of the forests throughout the whole period under report except the short period of 1st to 22nd July 1920, when Forest Ranger S. Nazir-ul-Hasan acted for him.

Pandit Jai Kishan Forester and B. Duda Ram Deputy Ranger held charges of Ajmer and Beawar ranges respectively throughout the whole year.

The charge of Todgarh range was held by S. Nazirul Hasan Forest Ranger throughout the whole year except from 1st July to 30th September when he was attached to the Head Office for special works and Dalla Singh Forester acted for him incharge of the range.

S. Nazirul Hasan Forest Ranger and Pandit Jai Kishan, Forester, Ajmer did very good work during the period under report.

Mr. Behari Lal Head clerk, was on furlough during the whole year and L. Laxmi Chand acted as Head clerk.

L. Bansi Lal remained as accountant except for 1 month 14 days of his leave when the Reader acted for him.

L. Chhuttan Lal worked as reader till 12th February 1921 when he was relieved by L. Mohan Lal, I.

L. Mohan Lal II worked as Arboriculture clerk.

L. Laxmi Chand Head Clerk and L. Mohan Lal Arboriculture clerk are to be congratulated for the good work they did during the year.

The following casualties occurred during the year.

Resigned	...	...	...	...	...	3 Forest Guards.
Dismissed	...	...	...	...	...	3 Forest Guards.
Died	...	...	...	...	...	2 Forest Guards.

CHAPTER VI.

General.

57. *Shooting*—9 shooting passes were issued during the period under report and the money realised amounted to Rs. 33/- against 54/15/ in the previous year.

58. *Arboriculture*—The progress under this head may be tabulated as follows.

Particulars.	Imperial Roads.	District Roads.	Total.
Length planted in the previous years.	67-3	43-5	110
Length planted during period under report ...	...	2-0	2-0
No. of plants maintained	6,193	3,344	9,537
No. of plants planted during the period under report	855	1,108	1,962
Revenue... ..	846	499	1,345
Expenditure	3,199	3,236	6,435

59. *Famine insurance grass*—The following statement gives details of receipts and issues of grass during the year.

Balance on 1st July 1920	5,123 Mds.
Received till 30th June 1921	2,580 Mds.
Total	7,703

As stated in the last year's report, unless the Tahsils help there is no hope of success in this method of collection.

60. The average rain fall during the period was.

	Inches	Cents
Ajmer Sub-Division	12	22
Merwara Sub-Division	7	47

SHAMBHOO DUTT JOSHI

Extra Assistant Conservator of Forests Ajmer-Merwara.

**Note by the Commissioner and Conservator
of Forests, Ajmer-Merwara.**

The increase in revenue is satisfactory and has more than kept pace with the increased expenditure.

(Sd) S. B. PATTERSON,

Commissioner, Ajmer-Merwara.

Appendices.

FORM NO. 7.

Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests 1920-21.

Area of Forests

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1920.		Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1921.		No. and date of Notification of addition or transfer, etc.	Remarks.
				A cres.	Equivalent in square miles.			A cres.	Equivalent in square miles.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Ajmer-Merwara	Ajmer ...	Ajmer	1. Reserved Forests. ...	17970.77	28	.....	.....	17970.77	28		
			2. Protected. " ...	115	...	.....	.....	115	...		
			3. Unclassed " ...	.....	...	.....	.....	.....	...
			4. Leased " ...	.....	...	.....	.....	.....	...
Do.	Beawar...	Merwara	1. Reserved Forests ...	15,902	26	.....	.....	15,902	26		
			2. Protected " ...	.....	...	.....	.....	.....	...
			3. Unclassed " ...	.....	...	.....	.....	.....	...
			4. Leased " ...	.....	...	.....	.....	.....	...
Do.	Todgarh.	Merwara	1. Reserved Forests ...	56,859	88	.....	.....	56,859	88		
			2. Protected " ...	.....	...	.....	.....	.....	...
			3. Unclassed " ...	.....	...	.....	.....	.....	...
			4. Leased " ...	.....	...	.....	.....	.....	...
Grand Total				*90,846.77	142	.....	.....	*90,846.77	142		

*In previous years the grand total was shown as 90756.77 by mistake.

Form No. 8.—Blank.

FORM NO. 9.

Record of Demarcation and Maintenance of Boundaries, 1920-21.

(1) Division	(2) Length of boundaries artificially demarcated during the year.	(3) Length of previously existing boundaries repaired.	(4) Length of previously existing boundaries not repaired.	(5) Total length of artificially marked boundaries at close of the year.	(6) Length of boundaries still to be demarcated at close of the year.	(7) Length of natural boundaries not requiring artificial marks.	(8) Total length of boundaries at the close of the year.	EXPENDITURE ON DEMARCATION DURING THE YEAR.		REMARKS. (11)
								On new work	On repairs.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
Ajmer-Merwara	...	1.63	241.48	243.11	...	158	401.11	...	190	

FORM NO 11.

Progress made in Working-Plans, 1920-21.

Division.	AREAS FOR WHICH WORKING PLANS HAVE BEEN SANCTIONED BY LOCAL GOVERNMENT.		AREAS FOR WHICH WORKING PLANS ARE BEING COMPILED		Areas for which Working-Plans have still to be taken in hand.	Areas for which Working-Plans are not at present required.	Total Forest area, as in Form No. 7.	Entire cost per square mile of Working Plans completed.	REMARKS.
	At commencement of year.	During year.	At commencement of year.	Taking in hand during year.					
1	2	3	4	5	6	7	8	9	10
	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Rs.	
Ajmer-Merwar.	142								
	115 acres								

FORM NO. 12.

Statement showing Communication and Buildings during the year 1920.—21.

[illegible]

FORM NO. 13.

Statement Showing register of breaches of Forest Rules during the year 1920-21.

Forest Division.	Cases ending from previous year.		New cases of the year.												Total cases.	DISPOSED OF DURING THE YEAR.												Cases pending at close of year.				REMARKS.											
	AR	ALL	Injury to forest by fire.				Unauthorized felling.				Unauthorized grazing.					Other offences.				Tot. I	Convictions.						Acquittals.						Total										
			A	B	C	D	A	B	C	D	A	B	C	D		A	B	C	D		A	B	C	D	A	B	C	D	A	B	C			D									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42		
Ajmer-Merwara	7	...	7	1	1	1	1	1	7	...	3	678	...	1	83	...	5	959	1	112	959	1	974	12	924	19	1627	...	35	...	45	12	916	933	19	1372	1691	...	3	...			
Average of last 3 years	2	14	...	2	5	2	257	...	9	433	...	1	272	...	13	1017	1	115	19	2	1	...	0	13	24	117	30	1	72	...	14	11	131	...	66	1743	...	4	...	2	...		

FORM NO. 14.

Area of Forest Tracts protected from Fire during 1920-21.

Division.	Forest Tracts. (2)	Year in which protection commenced. (3)	Area protected during 1920 (4)	Area attempted to be protected (5)	Failures, (6)	Area actually protected, (7)	Cost. (8)	REMARKS. (9)
(1)								
Ajmer-Merwara ...	I—Reserved Forests ...	.....	Acres. 90,140	Acres. 90,216	Acres. 453.5	Acres. 89,762.5	Rs 75	
	II—Protected Forests ...	.....	115	115	.....	115	75	
	III—Unclass Forests ...	.....	.....	.....	.....	.....	.....
	GRAND TOTAL ...	.....	90,225	90,331	453.5	89,877.5	75	

FORM NO. 15.

Causes of Forest Fires during 1920-21.

Division or Circles.	C FIRES BEGINNING INSIDE THE RESERVE OR FIRE-TRACED AREA.													Total A. B. and C									
	Owing to carelessness or accident						By intentional firing.																
A	Fires caused by accident or through carelessness in burning firelines.		Fires entering the forests by crossing exterior fire-traces.		By workmen employed in the forests, by the forest police, and by Kachhwar.		By villagers, travellers, etc., passing through the forests.		By Railway.		By lightning or by fire from the reserve.		In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.		Causes unknown.		
	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt, in acres.			
1	3	150.5	2	284	...	...	2	53	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Area Closed and Open to Grazing During 1920-21.

Division.	Closed to all animals.		Open to Grazing.			
	Of all animals.		Of (all animals except browsers camels, sheep and goats.)			
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.
1	2	3	4	5	6	7
Ajmer-Merwara	65-37	73-48	.....	.....	3	73-48

Return of Grazing in the State Forests of Ajmer-Merwara during 1920-21

GRAZING ON PAYMENT.			NUMBER OF ANIMALS.										GRAZING THERE.		NUMBER OF ANIMALS.										GRAND TOTAL OF VALUE AT FULL RATES.		
At Full Rates.			At Privileged Rates.										By Right Under Settlement.		During Pleasure of Government or otherwise than under Settlement.										Total value of fees at full rates.		
Bullocks.	Cows and Bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received.	Actual at full rates.	Value at full rates.	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Buffaloes.	Cows and Bull.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Ajmer Merwara.	7024803	...	...	...	Rs. 1063187	Rs. 17307417	...	...	...	...	...	Rs. 1696	Rs. 6785	...	...	...	...	...	...	...	1291091	...	...	...	Rs. 1056	Rs. 1056	11223

FORM NO. 18.

Artificial reproduction.

Division.	Kind of Plantation.	AREA IN ACRES.				EXPENDITURE DURING THE YEAR.			TOTAL EXPENDITURE FROM COMMENCEMENT.		Revenue during the year.	Total revenue from date of creation of plantation.	REMARK.
		On 1st July 1920	Added during the year.	Excluded during the year.	Area on 31st March 1921.	Creation.	Up-keep	Creation.	Up-keep				
1	2	3	4	5	6	7	8	9	10	11	12	13	
Alameda Maryana	Regular in Forest, Canes that have been felled and in Grass Land.	396	118	...	514	185/8/0	...	...	...	...	...	...
		396	118	...	514	185/8/0	...	...	...	...	...	...

FORM NO. 19.

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1920-21. and Agency of Exploitation.

Division.	TIMBER IN THE ROUGH, LOGS.				TIMBER IN THE ROUGH, POLES.				SAWN OR SQUARE ARE TIMBER				MISCELLANEOUS.				TOTAL TIMBER.						FUEL.				Total. Outturn.					
	Government.	Purchasers.	Free Grantees.	Right holders.	Government.	Purchasers.	Free Grantees.	Right holders.	Government.	Purchasers.	Free Grantees.	Right holders.	Government.	Purchasers.	Free Grantees.	Right holders.	Total.	Government.	Purchasers.	Free Grantees.	Right holders.	Total.	Government.	Purchasers.	Free Grantees.	Right holders.		Total.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
80 YEARS. W. G.
10 YEARS. W. G.
Miscellaneous W. G.
Total

Outturn of Minor Forest Produce during the year 1920-21.

PRODUCE REMOVED OR UTILIZED.												
Description of produce.	By GOVERNMENT AGENCY.			By PURCHASERS.		By FREE GRANTS.		By RIGHT & PRIVATE LEGAL HOLDERS.		TOTAL.		REMARKS.
	Quantity	Value.		Quantity	Value.	Quantity	Value.	Quantity	Value.	Quantity	Value.	
	1	2	3	4	5	6	7	8	9	10	11	
I.—Reserved Forests.												
1. Bamboos	1560	40,119	732	828	83	423590	42159	40119	732		
2. Kodder grass ...	1645	....	....	2123	....	....	9147	427063	16043	46325	
3. Grazing of cattle	49	5,676	8487	1220	1056	....	....	....	11338		
4. Garden fruits and flowers	5	....	188	....	....	....	....	....	237		
5. Wild fruits...	8	....	....	....	....	....	13		
6. Pods	57	....	....	....	....	....	67		
7. Parts (Nursery)	258	....	....	....	....	....	....	....	258		
8. Beri leave (Pal.) Dhak & Salar leaves	333	....	....	....	....	....	333		
9. Barks and twigs	21	....	832	....	....	....	....	....	332	665	
10. Honey and wax	11	....	106	....	....	....	....	....	150		
11. Cowdung	178	....	....	....	....	....	189		
12. Hides	14	....	21	....	....	....	....	....	103		
13. Stone	161	....	....	....	....	....	35		
14. Site	1	....	....	....	....	....	101		
Total ...	1645	1921	45,795	7770	2048	1139	433737	49241	483225	60074		
II.—Protected Forests												
1. Stone	738	....	....	....	....	....	738		
2. Grass...	72	....	....	....	....	....	6		
3. Cowdung	6	....	....	....	....	....	....
Total	816	....	....	....	....	....	816		
Grand Total ...	1645	1921	45,795	8586	2048	1139	433737	49244	483225	60390		
* Value actually realized was Rs 1696.												

*Value actually realized was Rs 1696.

FORM NO. 21.

Int of Timber and other Produce cut or collected by Government Agency and brought to Depots, sold locally, or otherwise disposed of, during the year 1920-21.

NAME OF DIVISION.	Balance at commencement of the year in forests and sale depots.	Received during the year.	Total	Disposed of during the year	Balance in hand at close of the year in forests and sale depots
1	2	3	4	5	6
	1. TIMBER (cubic feet.)				
	14	6	20	20	.....
Ajmer-Merwara	2. Fuel (Solid cubic feet)				
	1,093	95,09.5	10,602.5	6672 ⁽²⁾	3,930.5
	3. Charcoal (8 cft. of fuel)				
	28,258	26,149.7	54,407.7	36,677.7 ⁽²⁾	17,730
	4 Hay (In Maunds)				
	7,842	3,178	11,020	2461 ⁽³⁾	8,159
	5 Salar gum (In Maunds).				
	*Md srs ch	Md srs ch			Md srs ch
	19-23-14	19-23-14			19-23-14

*Amount of gum collected till 31st March 1921

(1) Includes 718 cft written off

(2) Includes 5004 cft written off.

(3) Includes 375.5 Mds. written off.

FORM NO. 22.

Abstract showing the value of Timber and other produce at sale Depots for the year 1920-21.

Description of Timber and other produce.	ON HAND AT COMMENCEMENT OF THE YEAR.			ON HAND AT CLOSE OF THE YEAR			DIFFERENCE IN VALUE		REMARKS.
	No.	C. ft	Value	No.	C. ft.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8	9	10
1. Timber	14	11.	...	.....	Rs.	Rs.	Rs. 11	
2. Fuel	1,093	364	...	39,305	983	619	.....	@ 4 cft. per R
3. Charcoal...	...	28,258	5,652	...	17,730	3,546	.....	2,106	@ 5. " " "
4. Hay (In Maunds)	...	7,842	5,228	...	8,159	5,439	211	.....	@ 1 1/2 Md. per "
5. Salar gum	Mds. Sr. Ch. 10-23-14	313	313	.....	@ 16 per Mds.
Total	37,207	11,255	...	.....	10,281	1,143	2,117	

FORM NO. 23.

Abstract showing the Value of Live and Dead Stock for the year 1920-21.

Description of Live and Dead Stock.	ON HAND AT COMMENCEMENT OF THE YEAR.		ON HAND AT CLOSE OF THE YEAR.		DIFFERENCE IN VALUE		REMARKS.
	No.	Value	No.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
Live Stock.		Rs.		Rs.	Rs.	Rs.	
Buffaloes ...	2	40	2	40	.....	.....
Bullocks ...	10	400	10	400	.....	.....
Total ...	12	440	12	440	.....	.....
Dead Stock.							
Tents ...	56	6,479	56	6,152	.....	327	
Furniture...	5	660	6	743	83	.....
Stores ...	272	764	273	739	.....	25	
Miscellaneous	208	573	208	385	.....	18	
Total ...	619	140	619	133	.....	7	
	1,160	8,416	1,162	8,122	83	377	

One Servant Pal for Rs. 90.
One bed Stead Complete
for Rs. 13/11/6.

Depreciation @ 5% allowed in column No 6.

FORM

*Summary of Revenue and**I.—Timber and other produce removed from the Forest by Government Agency:—*

	Rs.	A.	P.
a. Timber	4	8	0
b. Firewood and charcoal	9291	0	3
c. Bamboos			
d. Sandal-wood			
e. Grass and other minor produce... ..	1921	12	11

II.—Timber and other produce removed from the forests by consumers or purchasers:—

a. Timber	232	7	6
b. Firewood and charcoal	11019	13	0
c. Bamboos	731	13	3
d. Grazing and Fodder grass... ..	8066	6	1
e. Other minor produce	1483	3	6
Cardamom			
f. Forest stamps			
g. Other items			
h. Commutation fees.			

LII.—Drift and waif wood and confiscated forest produce:—

7 1 9

IV.—Revenue from forests not managed by Government:—

- a. Duty on foreign timber and other forests produce ...
b. Revenue from shared and private forests

V.—Miscellaneous—

a. Fines and forfeitures	207	7	3
b. Refunds	12	5	0
c. Other sources	4889	14	7

Total Revenue . . . 37,927 12 6

No. 24.

Expenditure for the year 1920-21.**A.—Conservancy and Works****I.—Timber and other produce removed from the Forests by Government Agency.**

a. Timber	...	...	...	...	...	...	...	...	...
b. Firewood and charcoal	...	...	...	...	...	...	...	...	...
c. Bamboos	...	...	...	...	...	...	...	...	...
d. Sandal-wood	...	...	...	...	...	...	...	...	...
e. Grass and other minor produce	...	...	...	...	...	...	...	...	...

II.—Timber and other produce removed from the Forests by consumers or purchasers.—

508 3 4

III.—Drift and waif wood and confiscated Forest produce:—**IV.—Revenue from Forests not managed by Government:—**

a. Duty on foreign timber and other forest produce	...	...	...	...	...	...	...	...	...
b. Revenue from shared and private forests	...	...	...	...	...	...	...	...	...

V.—Rent of leased Forests and payments to shareholders in forests managed by Government:—**VI.—Live Stock, Stores, Tools and Plant:—**

a. Purchase of cattle	...	...	...	...	...	...	...	...	...
b. Feed and keep of cattle	...	...	...	...	...	...	...	...	...
c. Purchase of stores, tools and plant	...	...	...	...	...	...	...	...	...

VII.—Communications and Buildings:—

a. Roads and Bridges	...	...	...	...	...	...	...	...	...
b. Buildings	...	...	...	...	...	...	...	...	...
c. Other works	...	...	...	...	...	...	...	...	...

VIII.—Organization, Improvement and Extension of Forests:—

a. Demarcation	...	...	...	...	...	...	...	...	...
b. Cost of Forest settlements and Compensation for land and rights	...	...	...	...	...	...	...	...	...
c. Surveys	...	...	...	...	...	...	...	...	...
d. Works plans	...	...	...	...	...	...	...	...	...
e. Sowing and planting	...	...	...	...	...	...	...	...	...
f. Protection from fire	...	...	...	...	...	...	...	...	...
g. Other works	...	...	...	...	...	...	...	...	...

IX.—Miscellaneous:—

a. Law charges	...	...	...	...	...	...	...	...	...
b. Grain compensation allowance	...	...	...	...	...	...	...	...	...
c. Other charges	...	...	...	...	...	...	...	...	...

Total A.—Conservancy and Works 10,113 2 0

B.—Establishments.**I.—Salaries:—**

a. Conservators	...	...	...	...	...	...	...	...	...
b. Superior Officers	...	...	...	...	...	...	...	...	...
c. Subordinate forest and depot establishments	...	...	...	...	...	...	...	...	...
d. Office establishment	...	...	...	...	...	...	...	...	...
e. Deputation and special allowance	...	...	...	...	...	...	...	...	...
f. Compensation for dearness of provisions	...	...	...	...	...	...	...	...	...

II.—Travelling Allowances:—

a. Conservators	...	...	...	...	...	...	...	...	...
b. Superior Officers	...	...	...	...	...	...	...	...	...
c. Subordinate forest and depot establishments	...	...	...	...	...	...	...	...	...
d. Office establishment	...	...	...	...	...	...	...	...	...

III.—Contingencies:—

a. Stationery	...	...	...	...	...	...	...	...	...
b. Carriage of tents and records	...	...	...	...	...	...	...	...	...
c. Rents, rates and taxes	...	...	...	...	...	...	...	...	...
d. Pay of Police-guards	...	...	...	...	...	...	...	...	...
e. Official postage	...	...	...	...	...	...	...	...	...
f. Sundries	...	...	...	...	...	...	...	...	...

Total B.—Establishment 18337 13 1

Grand Total of all Expenditure 28450 16 1

(Sd) M. N. GUPTA.

Assistant Accounts Officer.

*Account Current***RECEIPTS.**

Cash Balance

VIII—*Assessed taxes:—*

Income Tax—Deductions from salaries 104 8 3

IX—Forests 37927 13 6

Savings Bank deposits, G. P. Fund 423 0 0

Forest Advances 17698 5 3

Cash Remittances—Local—Forest Remittances—

Forest cheques drawn 27413 14 0

Account between India and M. I. Office

Items adjustable by 7 5 0

Inter Departmental Transfers—

Civil Departments 542 14 7

GRAND TOTAL ... 84117 12 7

NO. 25.

for 1920-21

PAYMENTS.

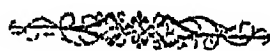
	Rs.	A.	P.
L.—Refunds And Drawbacks:—			
11.—Forests	28450	15	1
Forest Advances	17,808	1	1
Cash Remittances—Local—Forest Remittances—			
Remittances to Treasuries	37858	12	6
GRAND TOTAL ...	84117	12	7

Classified Abstract of the
Ajmer-Merwara Forest Division.

For

MARCH 1921 FINAL.

(With Summary of Revenue and Expenditure and account.)



Forwarded to the Extra Assistant Conservator of
Forests Ajmer-Merwara.



M. N. GUPTA,
ASSISTANT ACCOUNTS OFFICER,
Office of the A. G. C. R.

Calcutta.

Cr.

CIVIL DEPARTMENT. . .

As per contra Rs. 504 6 7

Total : . 504 6 7

Dr.

FOREST (1)	Cost of converting the Ranger's quarters at Raoli into Rest house debited in U. P. Exchange account for March 1921	446 10 4
(2)	Charges on account of training of student Bhawani Shanker debited in U. P. Exchange Account for January 1921.... ..	57 12 3
	Total ...	504 6 7

Summary of Expenditure.

A. VII. b.	Rest house at Raoli	446 10 4
B. I. d.	Pay of Bhawani Shanker for December 1919 and January 1920 @ 12/-... ..	24 0 0
B. I. f.	G. C. A. of Bhawani Shanker for November, December 1919 and January 1920 @ 1/8/- ...	4 8 0
B. II. d.	T. A. of Bhawani Shanker for October 1919 Rs. 6 11 9 and for December 1919 Rs 2 8 6 ...	9 4 3
B. III. f.	Share of General charges of Bhawani Shanker for December 1919 and January 1920 @ 10/- ...	20 0 0
	Total ...	504 6 7